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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: PATEL, Arvind D.

Serial No.: 10/647830

Confirmation No.: 2956

Filed: 08/25/2003

For: SHALE HYDRATION INHIBITION AGENT AND  
METHOD OF USE

Group Art Unit: 1712

Examiner: RICHARD, Charles R.

Atty. Dkt. No.: PA-00412US  
(11836.0750.NPUS00)

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.97(c)(2)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Applicants submit herewith patents, publications, and other materials and information which they are aware of and which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose. These items have been listed on PTO FORM 1449 of which there is one (1) page enclosed herewith in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b). In accordance with 37 CFR 1.98, only copies of foreign patent documents and non-patent literature, if any, are enclosed.

The Information Disclosure Statement submitted herewith is believed to be filed before the mailing date of a final Office Action under 37 C.F.R. 1.113, a notice of allowance under 37 C.F.R. 1.311, or an action that otherwise closes prosecution in the application. [37 C.F.R. 1.97(c)].

This paper is to serve as authorization to charge the fee set forth in 37 C.F.R. 1.17(p) to the MI-SWACO Deposit Account No. 13-3082, Reference No. PA-00412US.

It is respectfully requested that the listed items be considered in the examination of this application and identified on the list of references cited on the patent issuing on this application. Applicant further requests that an initialed copy of the enclosed FORM 1449 be entered into the application file wrapper and returned to the applicants with the next communication from the Office in accordance with M.P.E.P. § 609.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made, or an admission that the information cited is or is considered to be, material to the patentability, or that no other material information exists. The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner [37 C.F.R. 1.97(g)].

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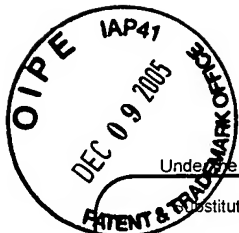
Applicant hereby requests for any extension of time that may be deemed necessary to further the prosecution of this application. Applicant's representative hereby authorizes the Commissioner to charge any additional fees that may be required, or credit any overpayment, to the MI-SWACO Deposit Account No. 13-3082, referencing PA-00412US.

In order to facilitate the resolution of any issues or questions presented by this paper, Applicant respectfully requests that the Examiner directly contact the undersigned by phone to further the discussion, reconsideration, and allowance of the claims.

Respectfully submitted,



Carter White  
Patent Counsel, M-I L.L.C.  
Reg. No. 41374  
Tel. 281 561 1450  
Date: 12/4/05



PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 5

**Complete if Known**

Application Number	10/647830
Filing Date	08/25/2003
First Named Inventor	PATEL, Arvind D.
Art Unit	1712
Examiner Name	RICHARD, Charles R
Attorney Docket Number	PA-00412US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1	US- 6247543	06-19-2001	Patel et al.	
	2	US- 6484821	11-26-2002	Patel et al.	
	3	US- 6609578	08-26-2003	Patel et al.	
	4	US- 6857485	02-22-2005	Patel et al.	
	5	US- 6831043	12-14-2004	Patel et al.	
	6	US- 2960464	11-15-1960	Weiss et al	
	7	US- 3123559	3-3-1964	Fischer	
	8	US- 3385789	5-28-1968	King	
	9	US- 3404165	10-01-1968	Budde, Jur. et al.	
	10	US- 3726796	4-10-1973	Schweiger	
	11	US- 3928695	12-23-1975	Philip et al.	
	12	US- 4148736	4-10-1979	Meister	
	13	US- 4220585	9-02-1980	Javora et al.	
	14	US- 4366071	12-28-1982	McLaughlin et al.	
	15	US- 4366072	12-28-1982	McLaughlin et al.	
	16	US- 4366074	12-28-1982	McLaughlin et al.	
	17	US- 4383933	5-17-1983	Jenkins	
	18	US- 4435564	3-06-1984	House et al.	
	19	US- 4440649	4-03-1984	Loftin et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	1	CA 876019	7/1971			
	2	CA 1185779	4/1985			
	3	CA 2088344	6/1987			
	4	DE 3238394	4/1984			
	5	DE 272287	10/1989			
	6	EP 0125957	4/1984			

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		First Named Inventor	PATEL, Arvind D.
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Sheet 2 of 5	Attorney Docket Number	PA-00412US	

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	20	US- 4519922	5028-1985	Sutton et al.	
	21	US- 4526693	7-02-1985	Son et al.	
	22	US- 4536297	8-20-1985	Loftin et al.	
	23	US- 4605772	8-12-1986	Darby et al.	
	24	US- 4637883	1-20-1987	Patel et al.	
	25	US- 4645608	2-24-1987	Rayborn	
	26	US- 4666613	5-19-1987	Schapiro et al.	
	27	US- 4710586	12-1-1987	Patel et al.	
	28	US- 4713183	12-15-1987	Patel et al.	
	29	US- 4767549	8-30-1988	McEwen et al.	
	30	US- 4820511	4-11-1989	Hoffkee et al.	
	31	US- 4828724	5-9-1989	Davidson	
	32	US- 4828726	5-9-1989	Hines et al.	
	33	US- 4842073	6-27-1989	Himes et al.	
	34	US- 4847342	7-11-1989	Peiffer	
	35	US- 4889645	12-26-1989	Firth et al.	
	36	US- 4913585	4-03-1990	thompson et al.	
	37	US- 4940764	7-10-1990	Meister	
	38	US- 4990270	2-5-1991	Meister	

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	7	EP 0136773	6/1984			
	8	EP 0182669	5/1986			
	9	EP 0241340	3/1987			
	10	EP 0330379	8/1989			
	11	GB 2164370	3/1986			
	12	GB 2175291	11/1986			

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	39	US- 5026490	6-25-1991	Peiffer et al.	
	40	US- 5066753	11-19-1991	Peiffer et al.	
	41	US- 5089151	2-18-1992	Hall et al.	
	42	US- 5097904	3-24-1992	Himes	
	43	US- 5099923	3-31-1992	Aften et al.	
	44	US- 5149690	9-22-1992	Patel et al.	
	45	US- 5211250	5-18-1993	Kubena, Jr. et al.	
	46	US- 5260268	11-9-1993	Forsberg et al.	
	47	US- 5350740	9-27-1994	Patel et al.	
	48	US- 5380706	1-10-1995	Himes et al.	
	49	US- 5424284	6-13-1995	Patel et al.	
	50	US- 5558171	9-24-1996	McGlothlin et al.	
	51	US- 5593952	1-14-1997	Jarrett	
	52	US- 5741758	4-21-1998	Pakulski	
	53	US- 5771971	6-30-1998	Horton et al.	
	54	US- 5908814	6-01-1999	Patel et al.	
	55	US- 6054416	4-25-2000	Bland	
	56	US- 6103671	8-15-2000	Dobson et al.	
	57	US- 4374739	2-22-1983	McLaughlin et al.	

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	13	RU 486128	1/1976			
	14	RU 1320220	6/1987			
	15	WO 88/07499	10/1988			
	16	WO 90/07337	7/1990			
	17	EP 0634468	1/1995			
	18	EP 0838514	4/1998			

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Sheet 4

of 5

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	58	US- 5330662	7-19-1994	Jahnke et al.	
	59	US- 3852201	12-03-1974	Jackson	
	60	US- 3956141	5-11-1976	Walker	
	61	US- 4792412	12-20-1998	Heilweil	
	62	US- 4942929	7-24-1990	Malachosky et al.	
	63	US- 5129469	7-14-1992	Jackson	
	64	US- 5226742	7-13-1993	Perkins	
	65	US- 5310285	5-10-1994	Northcut	
	66	US- 5314265	5-24-1994	Perkins et al.	
	67	US- 533912	8/1994	Hosie et al.	
	68	US- 5358049	10-25-1994	Hale et al.	
	69	US- 5405223	4-11-1995	Sirevag	
	70	US- 5405224	4-11-1995	Aubert et al.	
	71	US- 5480863	1-02-1996	Oakley et al.	
	72	US- 5558161	9-24-1996	Vitthal et al.	
	73	US- 5589603	12-31-1996	Alexander et al.	
	74	US- 5593952	1-14-1997	Jarrett	
	75	US- 5662169	9-02-1997	Hosie	
	76	US- 5789352	804-1998	Carpenter et al.	

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	19	WO 93/02151	2/1993			
	20	WO 01/59028	8/2001			
	21	WO 02/38697	5/2002			
	22	WO 02/102922	12/2002			
	23	WO99/09109	02/1999			
	24	WO99/660066	12/1999			

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	77	US- 5804535	9-08-1998	Dobson et al.	
	78	US- 5961438	10-05-1999	Ballantine et al.	
	79	US- 6063737	5-16-2000	Haberman et al.	
	80	US- 6106733	8-22-2000	Wood	
	81	US- 6119779	9-19-2000	Gipson et al.	
	82	US- 6124244	9-26-2000	Murphy	
	83	US- 6213213	4-10-2000	van Batenburg et al.	
	84	US- 2470831	5-24-1949	Monson	
	85	US- 5427999	6-27-1995	Clewlow et al.	
	86	US- 5635458	6-3-1997	Lee	
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